

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

OLYMPIC OIL, LTD.
5000 W. 41st St.
Cicero, IL 60804

Technical
Contact: Phone: 708-876-7900 (M-F 6:00 A.M. - 4:30 P.M.)

MSDS Number: MSOL702

Product Name: **2 CYCLE ASHLESS OIL**

| Emergency Overview | Hazard Ranking | | |
|--|----------------|---|---|
| Physical State: Liquid Color: Blue-green Odor: Mild May cause slight irritation to the eyes and skin. Spills may create a slipping hazard. | HMIS | | |
| | NFPA Health | 0 | 0 |
| | Fire | 1 | 1 |
| | Reactivity | 0 | 0 |

2. COMPOSITION, INFORMATION ON INGREDIENTS

| <u>COMPONENT (S)</u> | <u>CAS#</u> | <u>%WT (Approx)</u> |
|--|-------------|---------------------|
| Severely Solvent Refined Heavy Paraffinic | 64741-88-4 | 60 - 70 |
| Hydrotreated Light Distillate | 64742-47-8 | 10 - 20 |
| Additive Mixture | Unknown | 20 - 30 |

3. HAZARDS INFORMATION

- Mild skin irritation may occur with short-term exposure; long-term exposure may cause redness, edema, drying and cracking of skin.
- May cause eye irritation.

4. FIRST AID MEASURES

EYES: Flush eyes with clean, low-pressure water for at least 15 minutes, occasionally

lifting the eyelids. Get medical attention if irritation develops or persists.

SKIN: Wash skin thoroughly with plenty of soap and water. Immediately remove contaminated clothing. Launder contaminated clothing before reuse. Discard contaminated leather gloves and shoes. If irritation persists, get medical attention.

INGESTION: DO NOT INDUCE VOMITING. If more than a half-cup full of this material is swallowed, give quantities of water and obtain medical attention. Do not give anything by mouth to an unconscious person.

INHALATION: Vaporization is not expected at ambient temperatures. This material is not expected to be an inhalation problem under the anticipated conditions of use. In case of overexposure, move person to fresh air.

NOTE TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: 237°F(114°C) METHOD: COC D92

FLAMMABLE LIMITS:

Lower: Not Determined Upper: Not Determined

AUTOIGNITION TEMPERATURE: Not Determined

HAZARDOUS COMBUSTION PRODUCTS: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion including the oxides of nitrogen and sulfur.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam or water spray. Water may be ineffective, but can be used to cool exposed containers. Water may cause frothing and splattering.

FIRE FIGHTING INSTRUCTIONS: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies. Material will float on water.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Personal protective equipment must be worn (see Person Protection section for recommendations). Absorb spill with an inert material (e.g., dry sand or earth), then place in a chemical waste container. Use caution, material may present a slipping hazard.

LARGE SPILL: Contain spill and prevent it from entering all water bodies, if possible. Safely stop flow of spill. Evacuate non-essential personnel from immediate spill area. Ventilate area if spilled in a confined space or other poorly ventilated areas. Seek the advice of ecologists for clean up in natural environments. This material will float on water. Absorbent materials and pads can be used. Maximize product recovery for reuse or recycling. Transfer liquids and solid diking material to separate, suitable containers for recovery or disposal. Comply with all applicable laws. Spills may need to be reported to the National Response Center (800-424-8802).

7. HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks and flame. Keep containers closed when not in use. Hands should be washed thoroughly after handling. When transferring material, use proper bonding and/or grounding procedures. Empty containers contain residue, which may exhibit the hazards of the product. Do not attempt to refill or clean containers since residue is difficult to remove. Do not pressurize, cut, heat or weld containers.

STORAGE: KEEP OUT OF REACH OF CHILDREN! To avoid product degradation, water contamination should be avoided. Periods of exposure to high temperatures should be minimized

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

1 EXPOSURE GUIDELINES:

| | |
|---|--|
| Hydrotreated Light Distillate | Oil Mist OSHA PEL TWA (500 ppm, 2000 mg/m ³) |
| Severely Solvent Refined Heavy Paraffinic | Oil Mist OSHA PEL (5mg/m ³), ACGIH TLV (5mg/m ³) |
| Additive Mixture | Oil Mist OSHA PEL (5mg/m ³), ACGIH TLV (5mg/m ³) |

2 ENGINEERING CONTROLS: Use adequate ventilation to keep oil mists of this material below applicable guideline(s)/standard(s).

3 RESPIRATORY PROTECTION: Under normal conditions, a respirator is not required. If exposure exceeds the occupational exposure limits, follow OSHA standards or equivalent and wear proper NIOSH/MSHA-approved respiratory equipment.

- 4 SKIN PROTECTION:** To avoid prolonged or repeated skin contact, Use chemical resistant gloves such as neoprene, nitrile or Viton. Gloves should be replaced if signs of degradation or chemical breakthrough occur. Long sleeve shirt is recommended. When leaving work area, wash hands/exposed skin with soap and water.
- 5 EYE PROTECTION:** Use splash goggles or face shield. Eye wash water should be available. Hard contact lenses should not be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

| | | | |
|------------------------|-----------------------|---|-----------------------|
| APPEARANCE: | <u>Blue-green</u> | FLASH POINT: | <u>237°F (114°C)</u> |
| ODOR: | <u>Mild Petroleum</u> | SOLUBILITY IN WATER: | <u>Not Determined</u> |
| PHYSICAL STATE: | <u>Liquid</u> | SPECIFIC GRAVITY: | <u>0.86 – 0.88</u> |
| VAPOR PRESSURE: | <u>Not Determined</u> | VISCOSITY @ 40 °C (centistokes): | <u>40 - 50</u> |
| VAPOR DENSITY: | <u>Not Determined</u> | PERCENT VOLATILE: | <u>Negligible</u> |
| BOILING POINT: | <u>Not Determined</u> | | |

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Material is considered stable at room temperature and pressure. Avoid heat, sparks and open flame.

INCOMPATIBILITY: Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: May cause slight irritation based on component data.

SKIN EFFECTS: May cause mild irritation with prolonged or repeated exposure resulting in redness, edema, drying or cracking of skin. Based on component data. Personnel with pre-existing skin disorders should avoid contact with this product.

ACUTE ORAL EFFECTS: No significant adverse health effects are expected to occur upon short-term exposure based on data from components.

ACUTE INHALATION EFFECTS: No significant adverse health effects are expected to occur under normal conditions of use. However, exposure to petroleum mist at high levels may be irritating to the nose, throat and lungs.

CHRONIC TOXICITY: No data

CARCINOGENICITY: This product is formulated with mineral oils, which are considered to be severely refined and not considered to be carcinogenic under IARC. The IP346 test has not been used to evaluate these oils.

MUTAGENICITY: No Data

TERATOLOGY (BIRTH DEFECT) INFORMATION: No Data

REPRODUCTION INFORMATION: No Data

12. ECOLOGICAL INFORMATION

The spilled material and any soil or water that it has contaminated may be hazardous to animal/aquatic life.

CHEMICAL FATE INFORMATION: Not determined.

13. DISPOSAL CONSIDERATIONS

To determine the proper method of disposal, refer to RCRA (40 CFR 261) as well as federal EPA and state and local regulations. Conditions of use may cause this material to become a "Hazardous Waste", as defined by state or federal laws. Use approved treatment, transporters and disposal sites in compliance with all applicable laws.

14. TRANSPORT INFORMATION

| | |
|--------------------------|---------------|
| DOT Hazard Class: | Not Regulated |
| UN/NA Number: | Not Regulated |
| IMDG: | Not Regulated |
| IATA: | Not Regulated |

15. REGULATORY INFORMATION

SUPERFUND AMMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III: This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substances) of any chemical substance listed under SARA Section 313.
This product does not contain greater than 1.0 % of any chemical on The SARA Extremely Hazardous list.

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components of this product are listed on the TSCA inventory.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA): This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substances) of any chemical substance listed under SARA Section 313.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 - PROPOSITION 65: Based on information currently available, this product is known to contain the following chemicals known to the state of California to cause cancer or reproductive toxicity: cadmium, chromium, lead and mercury present in immeasurable trace quantities of less than 0.1%. If this product is reformulated or further processed, further evaluation should be done based upon such reformulation or processing, as well as upon its final composition and use.

REGULATORY LISTS: All components are in compliance with TSCA, DSL and EINECS.

16. OTHER INFORMATION

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources, which we believe are reliable. ***HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS.***

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. ***FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT.***

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be

applicable.

Date: 22 April 2004

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